

*You are cordially invited to attend the
2013-2014*

***NIH Medical Research Scholars Program
(MRSP)***

Scientific Presentations

Monday, May 12, 2014

8:30 a.m. – 5:40 p.m.

Tuesday, May 13, 2014

8:30 a.m. – 5:30 p.m.

***NIH Campus
The NIH Clinical Center
Building 10, Lipsett Amphitheater
Bethesda, Maryland***

The MRSP is made possible through a public-private partnership supported jointly by the NIH and generous contributions to the Foundation for the NIH from Pfizer Inc, The Doris Duke Charitable Foundation, The Alexandria Real Estate Equities, Inc. and Mr. and Mrs. Joel S. Marcus, and the Howard Hughes Medical Institute, as well as other private donors.



Monday, May 12, 2014

Session 1: 8:30 a.m. - 10:25 a.m.

Moderator: Austin R. Fox

8:30 a.m.

Osama M. Elbuluk

David Geffen School of Medicine at UCLA

National Cancer Institute

Targeted imaging of the MET protein with a novel PET agent

8:50 a.m.

Karen J. Rodriguez

University of Michigan Medical School

Clinical Center

Total coronary plaque volume by coronary CT angiography: relationship between plaque burden and risk factors

9:10 a.m.

Mopelola A. Adeyemo

Michigan State University College of Human Medicine

Eunice Kennedy Shriver National Institute of Child and Health Development

Fat metabolism and function-altering polymorphisms in MC3R

9:30 a.m.

Jackeline J. Rodriguez-Smith

University of Connecticut School of Medicine

National Institute of Arthritis and Musculoskeletal and Skin Diseases

NOMID patients in clinical remission continue to have elevated CSF cytokine and innate leukocyte counts

9:50 a.m.

Riley M. Cooper-McCann

Cleveland Clinic Lerner College of Medicine of Case Western Reserve University

National Heart, Lung, and Blood Institute

Psychosocial predictors of duration of obesity: the CARDIA study

10:10 a.m.

Radhika N. Nakrani

University of Connecticut School of Medicine

National Cancer Institute

Role of skin temperature and lipid composition in topographical fungal diversity

10:30 a.m. - 10:45 a.m.

BREAK

Session 2: 10:45 a.m. - 12:30 p.m.

Moderator: Philip A. Petrou

10:45 a.m.

Austin R. Fox

University of South Alabama College of Medicine

National Eye Institute

Age-related macular degeneration among uveitis patients

11:05 a.m.

Ankur S. Gupta

University of Texas Southwestern Medical School

National Eye Institute

Development of an imaging approach for inflammatory ocular lesions by establishing specific identification of T-cells in vitro with indocyanine green fluorescence

11:25 a.m.

Blake K. Montgomery

University of Missouri- Kansas City School of Medicine

National Institute of Neurological Disorders and Stroke

Modulation of glucose metabolism in the pituitary corticotroph: using differential glucose uptake to design better corticotroph tumor imaging methodology

11:45 a.m.

Andrew I. Yang

New York University School of Medicine

National Institute of Neurological Disorders and Stroke

Beta oscillations modulate high frequency oscillations and neuronal firing in the parkinsonian subthalamic nucleus

12:05 p.m.

Robin Ortiz

Loyola Stritch School of Medicine

National Institute of Mental Health

Biomarker and neural correlates of rapid antidepressant effects

12:30 p.m. - 1:25 p.m.

LUNCH

Session 3: 1:30 p.m. - 3:25 p.m.

Moderator: Radhika N. Nakrani

1:30 p.m.

Andrew M. Breglio

Icahn School of Medicine at Mount Sinai

National Institute on Deafness and Other Communication Disorders

Sound-induced protection against hair cell death

1:50 p.m.

Danielle F. Eytan

Cleveland Clinic Lerner College of Medicine of Case Western Reserve University

National Institute on Deafness and Other Communication Disorders

Targeting aberrant cell death pathways in head and neck cancer using SMAC-mimetic birinapant

2:10 p.m.

Suresh Mohan

Warren Alpert Medical School of Brown University

National Institute on Deafness and Other Communication Disorders

Combination of PI3K/mTOR dual inhibitor PF-5212384 with MEK inhibitor PD-0325901 exhibits

anti-tumor effects and overcomes resistance of human head and neck squamous cell carcinoma

2:30 p.m.

Andrew J. Leiker

Medical College of Wisconsin

National Cancer Institute

Enhanced radiation sensitivity of head and neck squamous cell carcinoma by dual PI3K/mTOR inhibition

2:50 p.m.

Bogdan A. Kindzelski

Cleveland Clinic Lerner College of Medicine of Case Western Reserve University

National Heart, Lung, and Blood Institute

Real-time MRI guided minimally invasive cardiac surgery with robotic assistance

3:10 p.m.

Ina Chen

University of Michigan Medical School

National Cancer Institute

New therapeutic targets for hereditary diffuse gastric cancer

3:30 p.m.

Sharon Li

Jefferson Medical College

National Cancer Institute

Genetic variants in selenoprotein related genes and risk of upper GI cancers in a Chinese population

3:30 p.m. - 4:00 p.m.

BREAK

Session 4: 4:00 p.m. - 5:40 p.m.

Moderator: Annalise O. Abiodun

4:00 p.m.

Amit Mehta

Geisel School of Medicine at Dartmouth

National Cancer Institute

Identification and validation of novel anticancer agents for anaplastic thyroid cancer

4:20 p.m.

Jason L. Eccleston

National Institute of Diabetes and Digestive and Kidney Diseases

University of Maryland School of Medicine

Gut-homing population in chronic HCV Infection

4:40 p.m.

Christian G. Hicks

Medical University of South Carolina

National Institute of Neurological Disorders and Stroke

Combining long-range fluorescent axon tracing and dense 3D electron microscopy for studying distributed neuronal circuits

5:00 p.m.

Kimberly F. Faldetta

Pennsylvania State College of Medicine

National Institute of Allergy and Infectious Diseases

Clinical and immunologic characteristics of Mycobacterium avium complex immune reconstitution inflammatory syndrome

5:20 p.m.

Ahmed S. Sadek

Rutgers- Robert Wood Johnson Medical School

National Heart, Lung, and Blood Institute

Using graft-versus-host-disease as a paradigm to characterize the role of inflammation in cardiometabolic diseases

Tuesday, May 13, 2014

Session 5: 8:30 a.m. - 10:30 a.m.

Moderator: Radhika N. Nakrani

8:30 a.m.

Manoj C. Mathew

Medical College of Georgia at the Georgia Regents University

Clinical Center

Feasibility study of chitosan based injectable hydrogel for image-guided trans-arterial chemo-embolization for liver cancer

8:50 a.m.

Elizabeth R. Heller

SUNY at Buffalo School of Medicine and Biomedical Sciences

National Cancer Institute

Mutations in TTDN1 are associated with a unique trichothiodystrophy phenotype

9:10 a.m.

Rena C. Zuo

Duke University School of Medicine

National Cancer Institute

Risk factors and characterization of vitiligo and alopecia areata in patients with chronic graft-versus-host disease

9:30 a.m.

Oyinade M. Aderibigbe

Perelman School of Medicine at the University of Pennsylvania

National Institute of Allergy and Infectious Diseases

*Cutaneous manifestations and leukocyte activation states associated with **PLC** γ 2-associated Antibody deficiency and **Immune Dysregulation (PLAID)***

9:50 a.m.

Talib Dosani

University of Florida College of Medicine

National Cancer Institute

Myelomagenesis: biomarkers that predict the progression of multiple myeloma from its precursor conditions

10:10 a.m.

Annalise O. Abiodun

University of Utah School of Medicine

National Institute of Allergy and Infectious Diseases

Cutaneous manifestations of the hypereosinophilic syndromes

10:30 a.m. - 10:45 a.m.

BREAK

Session 6: 10:45 a.m. - 12:25 p.m.

Moderator: Rena C. Zuo

10:45 a.m.

Chinonyerem U. Okoro

New York University School of Medicine

National Cancer Institute

Bilateral multifocal papillary type I renal cell carcinoma: clinical characteristics, associations with chronic renal insufficiency, surgical management and clinical outcomes

11:05 a.m.

Cody L. Swallows

University of Tennessee Health Science Center College of Medicine

National Institute of Neurological Disorders and Stroke

The role of epithelial-mesenchymal transition pathways in neural progenitors and human gliomas

11:25 a.m.

Leah P. Dickstein

Cleveland Clinic Lerner College of Medicine of Case Western Reserve University

National Institute of Mental Health

Neuroinflammation in patients with temporal lobe epilepsy

11:45 a.m.

Roxanna D. Juarez, M.D.

Warren Alpert Medical School of Brown University

Clinical Center

Novel imaging techniques

12:05 p.m.

Ki-Eun Chang

Pennsylvania State College of Medicine

National Cancer Institute

Protein phosphatase 2A inhibitor LB100 enhances cisplatin's activity against ovarian carcinoma cells

12:30 p.m. - 1:25 p.m.

LUNCH

Session 7: 1:30 p.m. - 3:30 p.m.

Moderator: Austin R. Fox

1:30 p.m.

Shaza N. Al-Holou

University of Michigan Medical School

National Eye Institute

The association of statin use with cataract progression

1:50 p.m.

Philip A. Petrou

Icahn School of Medicine at Mount Sinai

National Eye Institute

Intravitreal sirolimus for the treatment of bilateral geographic atrophy associated with age-related macular degeneration: results of a phase I/II trial

2:10 p.m.

Jason S. Flamendorf

Icahn School of Medicine at Mount Sinai

National Eye Institute

Dark adaptation as a functional measure of age-related macular degeneration

2:30 p.m.

Tyler A. Brown

University of Miami Miller School of Medicine

National Institute of Neurological Disorders and Stroke

Magnetic resonance imaging in acute ischemic stroke patients with and without mild symptoms

2:50 p.m.

Neera R. Nathan

The George Washington University School of Medicine and Health Sciences

National Heart, Lung, and Blood Institute

Response of tuberous sclerosis complex cutaneous lesions to oral mammalian target of rapamycin inhibitors

3:10 p.m.

Nicholas P. Tschernia

University of Nevada School of Medicine

Exploitation of new targets in chimeric antigen receptor mediated therapy against pediatric tumors

3:30 p.m. - 3:45 p.m.

BREAK

Session 8: 3:45 p.m. - 5:25 p.m.

Moderator: Leah P. Dickstein

3:45 p.m.

DeAnna L. McGarity, M.D.

University of North Carolina at Chapel Hill School of Medicine

Clinical Center

Transcriptomic analysis of nociceptors identifies a new algogenic orphan GPCR.

4:05 p.m.

Dima A. Raskolnikov

State University of New York Downstate Medical Center College of Medicine

National Cancer Institute

Use of multi-parametric MRI in high-risk prostate cancer patients to assess for locally advanced disease prior to radical prostatectomy

4:25 p.m.

Nabeel Shakir

University of Texas Southwestern Medical School

National Cancer Institute

Hsp90 blockade in an orthotopic model of prostate cancer, and optimization of the detection of clinically-significant prostate cancer by targeted biopsy

4:45 p.m.

Camila D. Odio

Cleveland Clinic Lerner College of Medicine of Case Western Reserve University

National Institute of Allergy and Infectious Diseases

Bugs and the IFN- γ /IL-12 pathway

5:05 p.m.

Daniel P. Noguee

The Johns Hopkins University School of Medicine

National Institute of Allergy and Infectious Diseases

The role of bacterial co-infection in influenza virus pathogenesis in a non-human primate disease model